福建之新植物及補充記載

何　景

福建省研究院

SOME NEW SPECIES AND ADDITIONAL DESCRIPTIONS OF FUKIEN PLANTS

By G. Hoo

Fukien Provincial Academy

漳州柳，補充記載。

樟州柳的雌株，原記載人未曾見過，作如下的補充： 灌木，高約一丈，枝褐色至深紫色，無毛，但新生小枝則密生灰白色短毛。 葉橢圓形至矩圓形，先端尖或鈍，基部圓形至闊楔形，長六分至一寸五分，闊二分四厘至三分六厘，上面無毛，有細密網脈，下面有白粉，並密生灰白色短毛，邊緣有鋸齒，稀近於全緣；葉柄長六厘至九厘，密生灰白色短毛。 果序生在側小枝的先端，長六分至一寸，直徑約三分，總梗長一分五厘至二分四厘，與果序軸均密生灰白色短毛。蒴果長一分二厘，無毛，花柱短，柱頭二裂，脫落；果梗長三厘至五厘，腺二個，長達果梗之半；苞卵形，先端鈍，外面近於光滑，內面密生灰白色短毛。

古田： 華山河邊，IV/22/1946, 林來官 *1103* 號(灌木，高一丈左右，有成熟果序)，

本種的雄花序很長，有至二寸者，但雌花序則短，其蒴果有梗與鄧氏柳 (*Salix Dunnii* Schneider) 相近，區別在本種葉較小，果序較短，苞先端鈍，腺不包圍果梗。

Salix changchowensis Metcalf in Ling. Sci. Jour. **15** (1): 11 (1936) & Fl. Fukien **1**:41 (1942).

Descriptione Adde: Planta feminea: Frutex 3-4 m. altus, rami crassi, in sicco brunnei v. intense purpurascentes, glabri, ramuli dense cinereo-pilosi. Folia elliptica v. oblonga, apice acuta v. obtusa, basi rotundata v. cuneata, supra reticulata et glabra, subtus glauca et dense pilosa, 2-5 cm. longa et 1.8-1.2 cm. lata; margine serrata, rarius subintegerrima; petiolis 2-3 mm. longis, dense cinereo-pilosis. Amenta fructifera 2-3.5 cm. longa, circiter 1 cm. crassa, pedunculo 5-8 mm. longo, dense cinereo-piloso; rhachi cinereo-piloso. Fructus maturi circiter 4 mm. longi, glabri, pedicellati; pedicello 1-1.5 mm. logo; glandula una ventralis, bracteis duplo brevior; bracteis ovatis, apice obtusis, extus subglabris, intus cinereo-pilosis.

Ku-Tien: Hwa-shan, river side, Apr. 22, 1946, L. G. Ling 1103 (shrub about 10 ft. tall, with fruiting branches).

The female aments of this species is much shorter than its male aments. It is related to *S. Dunnii* Schneider by its stalked capsules, but differs from which in its smaller and narrower leaves, its somewhat obtuse bracts, and its gland not embracing the stalk of the capsule.

掌葉蓼,新種(圖版十六)。

直立粗大多年生草本植物,高三尺,上部分枝多,莖基部直徑達六分,枝中空,有條痕,淡黃紅色,生有星狀絨毛及長硬毛。葉圓形,基部深心形,長及寬各二寸四分至四寸五分,掌狀三至九深裂,在花序中之葉爲披針形而不分裂,中裂片最大,卵狀披針形,先端成漸長尖形,中部以下突窄狹,長二寸至三寸,寬一寸至一寸五分,其他裂片依次向外而漸小,裂縫圓形,上面亮綠色,疏生星狀絨毛,脈上有長硬毛,下面白綠色,星狀絨毛較密,脈上有長硬毛;葉柄長一寸五分至三寸,較葉片爲短,有條痕,星狀絨毛及長硬毛,葉片基部下延至葉柄上端三分之一處而成狹翅。鞘斜短筒形,先端延長,長四分五厘至七分五厘,內面光滑,外面有星狀絨毛,脈上及邊緣密生長硬毛。總狀花序成圓球頭狀,長寬各約二分四厘,集合爲頂生疏圓錐狀花序,總梗細長軟弱,密生星狀絨毛及長硬毛;苞卵狀披針形,長一分五厘,寬三厘至四厘半,外面密生星狀絨毛及長硬毛;鞘苞短筒狀,透明膜質,長四厘至八厘,先端二裂,有短緣毛。花每三個生於一鞘苞內,基部花無梗;萼近於鐘形,淡紅色,長約一分,直徑一分,分裂至中部以下,裂片五個,卵狀披針形,先端鈍,無毛;雄蕊八個,不露於萼外;花柱三個,長四厘五,下部五分之一合生;子房三角形。果實未成熟。

崇安: 華光廟,海拔 850 公尺,生於路旁草叢中, IV/16/1948, 何景 *2983* 號(草本高約三尺,莖紅色,密生絨毛及長硬毛,葉通常 7-9 裂,上面亮綠色,下面白綠色,幼時淡紅綠色)。

此種與印度阿薩密 (Assam) 所產之 *P. palmatum* Dunn 相近,但葉較小而葉柄較短,鞘脈上及邊緣密生絨毛及長硬毛,鞘苞透明,先端二裂,及雄蕊八個,與印度種不同。

Polygonum pseudopalmatum, sp. nov. (Pl. XVI).

Herba robusta 1 m. alta. Caulis erectus, ramosus, stellato-tomentosus et strigosus, fistulosus, striatus, subteres, basi usque 2 cm. crassus. Folia longe petiolata, alterna; petiolis striatis, tomentosis et strigosis, 5-10 cm. longis; laminis ambitu orbicularibus, basi cordatis, 3-9-palmatolobis, 8-15 cm. longis et latis, utraque facie stellato-tomentosis et strigosis; lobo mediano magno, ovato-lanceolato, apice acuminato, basi angulato, 7-10 cm. longo, 3-5 cm. lato; sinubus rotundatis. Ochreae breviter tubulosae, apice elongato-triangulatae, prominenter striato-costatae, 1.5-2.5 cm. longae, extus stellato-tomentosae et strigosae, intus glabrae, margine ciliatae. Bracteae ovato-lanceolatae, 5 mm. longae, 1-1.5 mm. latae, stellato-tomentosae et strigosae. Flores capitato-conferti, in apice ramulorum laxe paniculato-dispositi; pedunculis stellato-tomentosis et strigosis. Ochreolae tubulosae, 2-lobatae, ciliatae, 2-3 mm. longae. Perigonia obscure rosea plus minus campanulata, fere ad dimidium divisa, 3 mm. longa et 3 mm. in diam., lobis 5, ovato-lanceolatis, apice obtusis, glabris; stamina 8, inclusa; styli 3, 1.5 mm. longi, basi ad 1/5 connati. Ovarium trigonum. Achaenium ignotum.

Chung-An: Hwa-kwang-muo, among weeds in road side, alt. 850 m., Sept. 16, 1948, G. Hoo 2983 (robust herb about 1 m. tall, stem reddish with tomentose and strigose hairs; leaves usually palmately 7-9-lobed, green above and whitish green beneath, reddish while young).

This species is closely related to the indian species, *P. palmatum* Dunn, but differs in its smaller leaves, its shorter petioles, its ocreae with tomentose and strigose hairs on nerves and margins, its hyaline ochreolae bifid at tips, and its 8 stamens.

林氏八仙花，新種（圖版十六）。

灌木，枝條擴展，多少舖地，高一尺半至六尺，新生小枝圓筒形，細長，褐色至紫色，有毛；二年生小枝淡褐色，皮薄易剝落，露出灰白色內皮。葉橢圓披針形至橢圓矩圓形，長七分五厘，稀有長至三寸三分，闊至一寸者，先端有尾尖，基部尖形至楔形，薄草質，上面無毛，有光澤，下面除葉脈上有粗毛外，餘光滑無毛；側脈五至六對，與中脈同在上面下凹，下面隆起；邊緣有稀疏腺質鋸齒，稀爲全緣；葉柄長一分五厘至二分四厘，有粗毛。聚繖花序繖房狀着生，總梗基部有葉一對，花通常稀少，無大形空花。結實花直徑約一分五厘，花梗及總梗細弱，密生粗毛；萼齒卵形，長約二厘，短於萼筒；花瓣五片，黃色，卵圓形至倒卵圓形，有爪，長六厘至一分，闊四厘五；雄蕊十個，長一分左右，花絲長於花葯，花葯深黃色；子房半下位，長四厘五，略有毛；花柱三個，長約三厘，蒴果卵圓形，長七厘五；種子無翅。

南平：保赤坑，海拔 750 公尺，生於灌林中蔭地上，V/21/1947, 何景 *2071* 號（灌木，高約四尺，略匍匐，無空花，結實花黃色）。茂地，陽坡上，IV/20/1992, 林鎔 *2307*；下瓦，IV/19/1942, 林鎔 *2272* 號。順昌：大幹山，V/21/1945, 劉業經 *288* 號。永安：銅盤，灌木林中 VII/23/1943, 林鎔 *3008* 號（蔓生常綠灌木，高五尺，皮灰褐色，花淡綠色）。黃厝：V/12/1945, 劉業經 *585* 號。三元：莘口，陰谷森林中，海拔 850 公尺，IV/30/1942, 鍾補勤 *646* 號（灌木，高二尺，花黃色）；吉口，森林中蔭地水溝旁，V/24/1945, 林來官 *274* 號（灌木高五尺）。

此種與本省所產另一種鍾氏八仙花（*H. Chungii Rehder*）略相近，但本種小枝上無分披之長毛，葉近於革質，僅有五至六對側脈，上面光滑，下面僅脈上疏生粗毛，葉柄短，無空花，結實花黃色，花瓣有爪等點，均不相同。

林鎔 *2272* 號之葉橢圓形至橢圓矩圓形，長二寸七分，闊達一寸；林來官 *274* 號之葉近於披針形，長三寸三分，闊一寸，均較通常所見者爲大。

本種定名爲林氏八仙花，係紀念林鎔先生建立本院植物標本室之勞績。

Hydrangea Lingii, sp. nov. (Pl. XVI).

(Sect. *Petalanthae*)

Frutex 0.5-2 m. altus, subscandens, ramulis junioribus teretibus, gracilibus brunneis v. purpureis, strigosis, annotinis glabris brunneis, peridermate decorticante. Folia elliptico-lanceolata v. elliptico-oblonga, 5-8 cm. longa et 1.5-2.5 cm. lata, rarius ad 11 cm. longa et 3 cm. lata, apice cuspidata, basi acuta v. cuneata, subcoriacea, supra glabra et lucida, subtus praeter nervos strigosos glabra, nervis utrinsecus 5-6, margine glanduloso-serrata, rarius subintegra; petioli 5-8 mm. long, strigosi. Cyma corymbosa, basi foliis suffulta, laxa; flores steriles nulli, flores fertiles lutei, 5 mm. in diam.; pedunculis et pedicellis

gracilibus, densius strigosis, pedicellis 5-9 mm. longis; sepala ovata, 0.7 mm. longa; petala ovata v. obovata, 2-3 mm. longa, 1.5 mm. lata, basi ungulata; stamina 10, 3-4 mm. longa; styli 3. Capsula ovoideo-globosa, 2.5 mm. longa; semina exalata.

Nan-Ping: Pao-tsao-kan, shady place in bush, alt. 750 m., May 21, 1947, G. Hoo 2071 (training shrub about 4 ft. long, inflorescence without the marginal, sterile flowers, the fertile flowers deep yellow). Mou-ti, on sunny slope, Apr. 20, 1942, Y. Ling 2307. Shia-va, Apr. 19, 1942, Y. Ling 2272. Sun-Chang: Tai-kan-shan, May 21, 1945, Y. K. Liu 288. Yung-An: Tung-pan, in bush, Jul. 23, 1942, Y. Ling 3008 (evergreen training shrub, 5 ft. long; bark gray-brown; flowers light green, immature). Hwa-shan, May 12, 1945, Y. K. Liu 585. San-Yuan: Sin-kou, in forest on shady ravine, alt. 850 m., Apr. 30, 1942, P. C. Tsoong 646 (shrub 2 ft. tall; flowers yellow). Ki-shan, shady place along water-course in forest, May 23, 1945, L. G. Ling 274 (shrub about 5 ft. tall).

This species is near to the another Fukien *Hydrangea, H. Chungii* Rehder, from which it differs in manyfold: in its branchlets without the long spreading hairs, in its subcoriaceous leaves with 5-6 pairs of lateral nerves, glabrous on both surfaces except with a few scattered hairs on the nerves beneath, in its shorter petioles, in its wanting of the marginal sterile flowers in the inflorescence, in its yellow fertile flowers, and in its clawed petals.

The leaves of Y. Ling 2272 are elliptic to elliptic-oblong in outlines, measured 9 cm. long and 3 cm. broad; those of L. G. Ling 274 are lanceolate, measured 11 cm. long and 3 cm. broad. Both of them are larger than usual ones. This species is named in honor of Dr. Y. Ling, the founder of the taxonomy laboratory of this Institute.

銹毛石斑木,補充記載。

本種之花,原記載人未曾看見,特補記如下: 圓錐狀花序頂生,密生銹色絨毛,長一寸二分至二寸一分,闊二寸七分;花白色,直徑三分;花梗長一分,密生銹色絨毛,萼筒長一分五厘,密生銹色絨毛,萼齒卵形,長六厘;花瓣五片,卵圓矩圓形,先端鈍,長一分五厘,無毛;雄蕊十五個,十個較長,長一分五厘,五個較短,長一分,無毛;花個二柱,基部合生,長一分五厘,無毛;子房下位,二室。

福鼎: 錦柵街森林中, V/10/1946, 林來官 *1361* 號(小喬木,高一丈五尺至二丈一尺,胸徑六寸,樹皮灰褐色,略粗糙,葉下面密生褐色絨毛,花白色)。 崇安: 皮坑森林中,海拔 600 公尺, IX/15/1948, 何景 *2943* 號(小喬木,高一丈八尺,樹皮黑色)。

此種在福建係新發現,其外表的形態與枇杷屬近似,但其花及果實的構造則係石斑木屬。福建亦有變種 *var. serrata* Metcalf, 何景 *2974* 號可爲代表。

Raphiolepis ferruginea Metc. in Ling. Sci. Jour. **18** (4): 509, Pl. 16 (1939).

Descriptione Adde: Inflorescentiis paniculatis terminalibus, dense ferrugineo-tomentosis, 4-7 cm. longis, 9 cm. in diam.; floribus albis, 1 cm. in diam.; pedicellis 3 mm. longis; calycis tubo 5 mm. longo, dense ferrugineo-tomentoso, lobis ovatis, 2 mm. longis; petalis 5, oblongo-ovatis, apice obtusis, 5 mm. longis, glabris; staminibus 15, 10 longioribus 5 mm. longis et 5 brevioribus 3 mm. longis, glabris; stylis 2, 5 mm. longis, basi leviter connatis, glabris.

Fu-Ting: Gin-san-gay, iin forest, May 10, 1946, L. G. Ling 1361 (small tree, 5-7 m. tall and 18 cm. in D. B. H.; bark gray-brown, slight roughness; densely tomentose on leaves beneath; flowers white). Chung-An: Pei-kang, in forest, alt. 600 m., Sept. 15, 1948, G. Hoo 2943 (small tree about 6 m. tall, bark dark).

This species is a new record in Fukien. In external appearance it resembles a *Eriobotrya,* but according to the structure of the flowers and fruits it is distinctly a *Raphiolepis.* The *var. serrata* Metcalf is also discovered in Fukien and represented by G. Hoo 2974.

周氏六條木,新種(圖版十七)。

灌木,高三至四尺,分枝甚多,枝略下垂,新生小枝細長,淡紅紫色至深紫色,密生短毛,二年生小枝的皮成薄片狀剝落。 葉卵圓形,薄革質,長二分至四分,寬一分四厘至二分一厘,先端尖,基部楔形或略成圓形,上面綠色,有短硬毛散生,下面灰淡綠色,除中脈上疏生短硬毛外,餘均光滑,側脈二至三對或不明顯,邊緣反捲,有少數鈍鋸齒;葉柄三厘至四厘五,疏生硬毛。 總梗僅有一個花,着生於小枝先端之葉腋,有短毛,苞披針形,長一分左右,小苞錐形,淡紅色;子房圓筒形,長一分二厘至一分五厘,有五個肋,疏生短硬毛;萼片二個,淡紅色,橢圓短圓形至倒卵圓形,長一分八厘至二分四厘,闊一分二厘至一分五厘,邊緣及脈上疏生短硬毛,先端鈍有缺刻,有時作或深或淺之分裂,有時分裂完全,形成三個或四個萼片;花冠漏斗狀鐘形,長七分五厘至八分,上部膨大,粉紅色,直徑四分五厘,中部以下狹窄成筒形,略灣曲,白色,內外兩面均有細毛,花冠裂片五個,略不等長,裂片短圓形,長一分二厘至一分八厘,小蕊四個,偶有五個,與花冠幾等長,花絲有毛;花柱光滑無毛,略較花冠爲長。 果實未成熟。

泰寧: 百丈岩,生於山坡上, VI/15/1945, 林來官 *688* 號(灌木,花淡紅色,果實紅色)。嶺下村, VI/18/1945, 林來官採,無號。

本種與湖北及四川西部所產之 *A. Schumannii* (Graebner) Rehder 相近,不同處在本種葉較小,邊緣反捲,葉下面除中脈上有少數短硬毛散生外,餘無毛,花冠筒中部以下狹窄,以及萼片有缺刻或分裂。 與 *A. myrtilloides* Rehder 之區別,在本種葉柄上有短硬毛,花序短小,花冠外面有短柔毛,花絲亦有毛,萼片有缺刻或分裂。

Abelia Chowii, sp. nov. (Pl. XVII).

(Sect. *Euabelia,* Subsect. 2, *Uniflorae* Rehd.)

Frutex metralis, ramulis junioribus gracilis, rubro-purpureis v. nigro-purpureis, puberulis, annotinis peridermate decorticante: Folia ovata, subcoriacea, 0.7-1.3 cm. longa, 0.4-0.7 cm. lata, apice acuta, basi cuneata v. subrotundata, supra viridia, sparse setulosa, subtus pallide v. cinereo-viridia, praeter costam setulosam glabra, nervis utrinsecus 2-3 v. inconspicuis, margine revoluta et pauci-crenato-serrata; petiolis 1-1.5 mm. longis, pauci setulosis. Pedunculi uniflori, puberuli, apices ramulorum axillares, ad medium bracteis lanceolatis 3-4 mm. longis, apice bracteolis quatuor subulatis rubris praediti. Ovarium teres, quinquecostatum, sparse setosum, circ. 4-5 mm. longum; sepala 2, rubra, elliptico-oblonga v. obovata, 6-8 mm. longa, 4-5 mm. lata, secus venas conspicuas marginemque setulosa, apice serrata v. usque ad basim bifida; corolla campanulato-infundibulliformis, infra medium anguste tubulosa, supra sensim ampliata, extus et intus puberula, circ. 2.5-3.0 cm. longa, limbo 1.5 cm. in diam., albo-roseo, lobis oblongis, 4-6

mm. longis; stamina 4, rarius 5, corollam subaequantia; filamentis puberulis; stylus glaber, corolla longior. Achaenia sub anthesi 6 mm. longa, subteretia, leviter costata, setulosa.

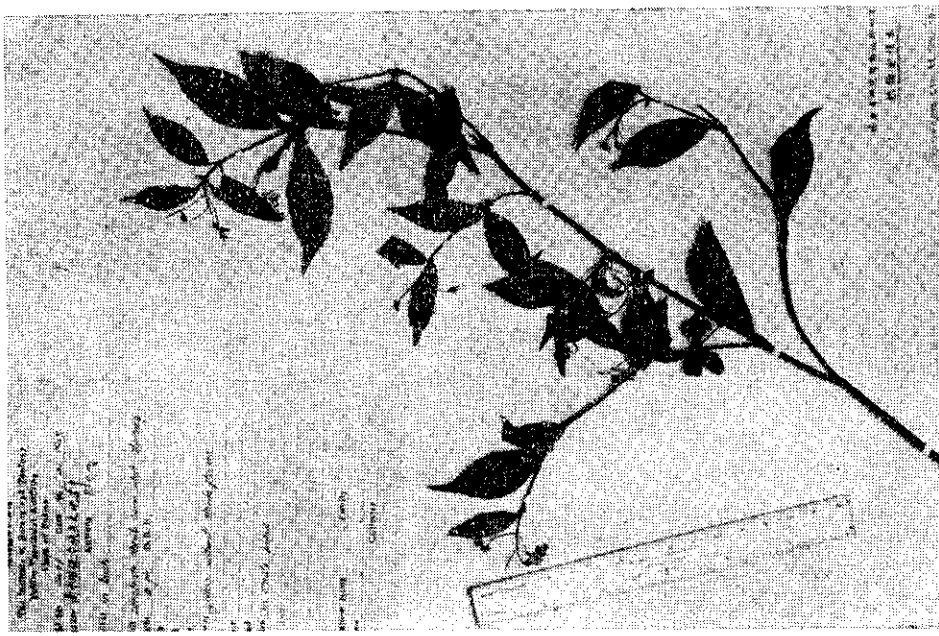
Tai-Ling: Peh-chang-yen, on slope, Jun. 15, 1945, L. G. Ling 688 (shrub; flowers reddis; fruits red). Ling-shia-tsun, Jun. 18, 1945, L. G. Ling, without number.

This species is related to *A. Schumannii* (Graebner) Rehder, but differs in its smaller and revolute leaves which is glabrous except with a few seta-like hairs on the nerves beneath, its corolla tube narrowed below the middle portion, and its notched or even lobed sepals. From *A. myrtilloides* Rehder, it differs in its short seta-like hairs on petioles, its shorter inflorenscence, its corolla pubescent outside, its hairy filaments, and its notched or even lobed sepals.

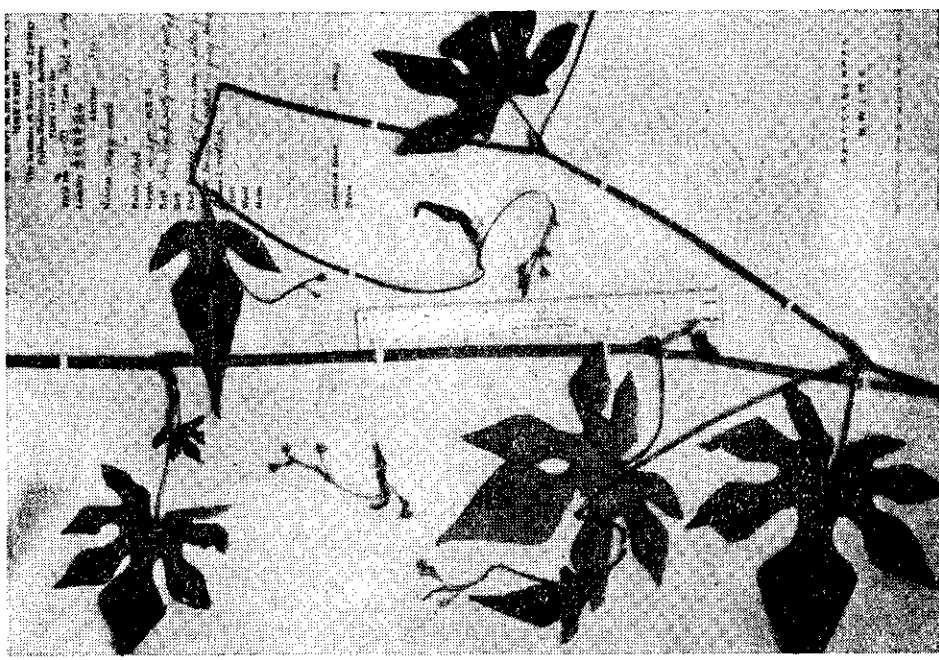
圖 版 說 明

圖版十六: 掌葉蓼 *Polygonum pseudopalmatum* Hoo 及林氏八仙花 *Hydrangea Lingii* Hoo.

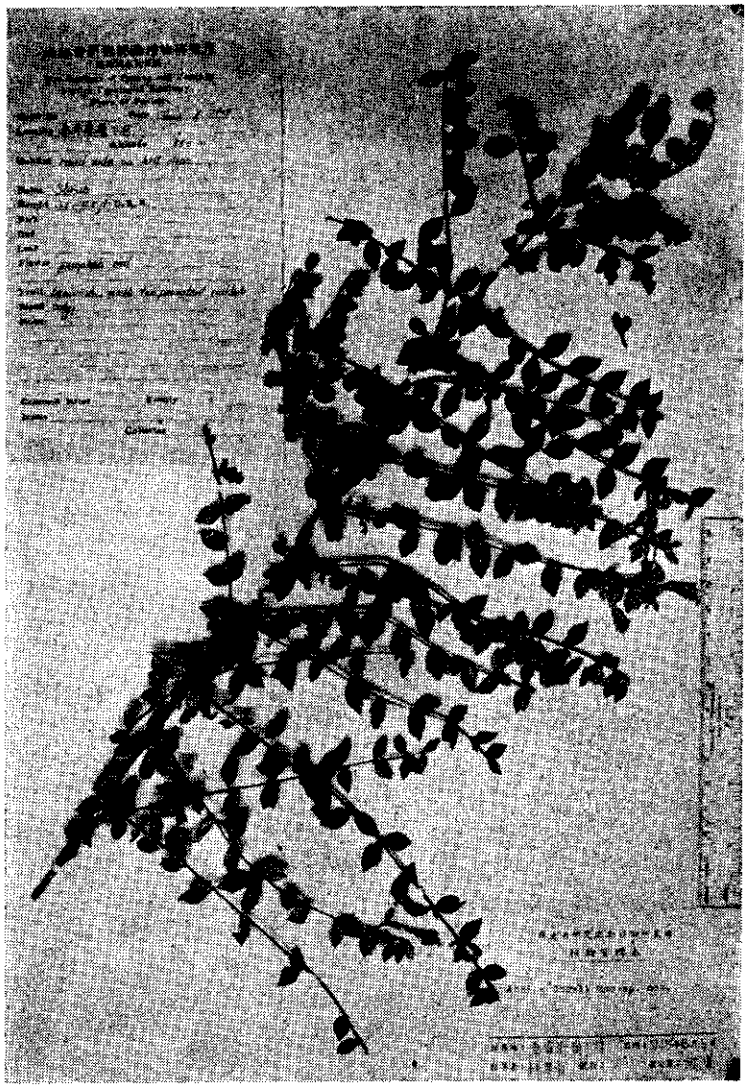
圖版十七: 周氏六條木 *Abelia Chowii* Hoo.



林氏八仙花 Hydrangea Lingii Hoo



掌葉蓼 Polygonum pseudopalmatum Hoo



周氏六條木 Abelia Chowii Hoo